

20030116.qrp v02_n802.qrl.20030116

Date: Thu, 16 Jan 2003 19:03:12 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2802

QRP-L Digest 2802

Topics covered in this issue include:

- 1) [144738] Re: QRP in Norway
by "DTX" <dtx@wood.tzo.com>
- 2) [144739] 2N3565 data sheet
by "Richard Johnson" <richard_johnson@credence.com>
- 3) [144740] re: FT-857 - pictures
by Ken Hopper N9VV <n9vv@wideopenwest.com>
- 4) [144741] FOX: Tomorrow Night!
by "Marshall Emm" <mgemm@mtechnologies.com>
- 5) [144742] Capacitor Designation A1A= NP0?
by "Dennis Payton" <dpayton@fwi.com>
- 6) [144743] Pre-Amps
by "Richard Johnson" <richard_johnson@credence.com>
- 7) [144744] Rock-Mitel FET RF Gain Control
by Chuck Carpenter <w5usj@9plus.net>
- 8) [144745] Fw: two questions
by "Walter Amos" <waltk8cvamosqrp@earthlink.net>
- 9) [144746] Re: QRP in Norway
by "Bob Tellefsen" <n6wg@earthlink.net>
- 10) [144747] Re: QRP in Norway
by "Tim, N9PUZ" <n9puz@arrl.net>
- 11) [144748] 2002 QST's wanted, February through May
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
- 12) [144749] Re: Maxim gets the idea !
by "Ward Silver" <hwardsil@centurytel.net>
- 13) [144750] Re: Capacitor Designation A1A= NP0?
by jacksonharbor@att.net
- 14) [144751] F.S. Curtis 8044ABM keyer chip
by "Joe W2KJ" <w2kj@bellsouth.net>
- 15) [144752] Fox - Winter Fox Hunt Teams Results.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 16) [144753] NEQRP CW Net, Thursday, 16 Jan 03, 08:30 PM EST, 3.565 MHz
by Chuck Ludinsky <cjl@mitre.org>
- 17) [144754] FOX: K9DC Log pass two
by Dave Gingrich K9DC <gingrich2@dcg.org>
- 18) [144755] Fox - Winter Fox Hunt Teams Results.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 19) [144756] Looking for a set of KG6CYN DDS Signal Generator PCB's

- by Jim Thiessen <jthiessen@videotron.ca>
- 20) [144757] Re: Pre-Amps
by Ed Tanton <n4xy@earthlink.net>
- 21) [144758] Re: Pre-Amps
by "Thomas Kuehl" <ac7a@earthlink.net>
- 22) [144759] Back to CA!!!
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 23) [144760] Re: FT-817 accessories
by "Jay Bromley" <w5jay@alltel.net>
- 24) [144761] Fw: G4ZPY dual lever paddles (iambic)
by "Tom Palmer" <n1tp@swfla.rr.com>
- 25) [144762] Re: Pre-Amps
by "Richard Johnson" <richard_johnson@credence.com>
- 26) [144763] Fw: G4ZPY dual lever paddles (iambic)
by "Tom Palmer" <n1tp@swfla.rr.com>
- 27) [144764] February 2003 QST
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 28) [144765] re: FT-857 - pictures
by Bill ROWLETT <kc4atu@yahoo.com>
- 29) [144766] FOX: Locations
by "Karl F. Larsen" <k5di@zianet.com>
- 30) [144767] RockMite Homebrew Heatsink Drawing
by wkhibbert@juno.com
- 31) [144768] Re: Pre-Amps
by <nkennedy@tcainternet.com>
- 32) [144769] HB: Buffer amp question
by W2EB <w2eb@twcny.rr.com>
- 33) [144770] Need part description on Ft. Smith Sidekick
by brewerj@squared.com
- 34) [144771] FT-857 manual and pictures
by Alex <kr1st@amsat.org>
- 35) [144772] FT-857 designed for Mike Yetsko?
by Alex <kr1st@amsat.org>
- 36) [144773] [CONTEST] N2CQ QRP Contest Calendar - Jan16-31
by "Ken Newman" <N2CQ@Dandy.Net>
- 37) [144774] For Trade or For Sale
by "Charles Feigley" <res1d3s1@verizon.net>
- 38) [144775] Re: Pre-Amps
by "Chris Trask" <chistrask@earthlink.net>
- 39) [144776] RE: February 2003 QST
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 40) [144777] Parkland paddle
by "Joe W2KJ" <w2kj@bellsouth.net>
- 41) [144778] RE: Radio for sale or trade
by "Charles Feigley" <res1d3s1@verizon.net>
- 42) [144779] Need help with email
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 43) [144780] Re: FT-857 designed for Mike Yetsko?

by "Mike Yetsko" <myetsko@insydesw.com>
44) [144781] RE: Pre-Amps
by "N4LGH" <n4lgh@waveguide.us>
45) [144782] Re: FT-857 designed for Mike Yetsko?
by "Mike Yetsko" <myetsko@insydesw.com>

Date: Wed, 15 Jan 2003 11:33:16 -0800
From: "DTX" <dtx@wood.tzo.com>
To: <qrp-1@lehigh.edu>
Subject: [144738] Re: QRP in Norway
Message-ID: <005401c2bccc\$f3e4bec0\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Mark Andrews" <KE4IOF@KE4IOF.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, January 15, 2003 9:38 AM
Subject: Re: QRP in Norway

[snip]

> BTW, the moderation of the list is working very well!

Has helped in one area but a msg about a DX station posted at 1:30AM (I think) didn't get thru till Jim gets to the list around 8AM. The next FOX hunt should be interesting when all the Where Is He and I Found Him At msgs show up the next morning ;-)

Which just confirms there are no free lunches and perfection still eludes us.

Gary WA6DTX

> Mark A. Andrews

Date: Wed, 15 Jan 2003 11:51:40 -0800
From: "Richard Johnson" <richard_johnson@credence.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [144739] 2N3565 data sheet
Message-ID: <3E25BBCC.A3206734@credence.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thank every one.

I have about the best i can get on the part now.

Some one asked what i had in mine. Well to me a good data sheet has family of curves of transistor parameters. Not much of that for older parts.

Again thank you.

cheers,
rich

Date: Wed, 15 Jan 2003 14:01:23 -0600
From: Ken Hopper N9VV <n9vv@wideopenwest.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [144740] re: FT-857 - pictures
Message-ID: <3E25BE13.10001@wideopenwest.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Searching the web I found pictures :-)

<http://www.dg8jz.de/News/news.html>

and

<http://www.yaesu-museum.de/Galleries/Page10310/FT-857/outsidepic.pdf>

dit dit

de ken (no Yaecomwood equipment in the shack) n9vv

Date: Wed, 15 Jan 2003 13:07:23 -0700
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qRP-L@lehigh.edu
Subject: [144741] FOX: Tomorrow Night!
Message-ID: <3E255D0B.25890.719068@localhost>
MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Hi, guys--

Look for ET tomorrow night-- not on a bicycle silhouetted against a full moon, but N1FN as FOX. There's been a schedule change and I've swapped with N7CQR who will now take the last slot on 3/20.

I'll be somewhere around 7.036 listening UP 1 to 3 KHz or so.

The other fox, based around 7.042, will be Jim, N0UR. Please note this now, because Jim may not be able to do an announcement for himself. He also advises that there is a CHANCE he will not be able to do the hunt, in which case he has already arranged with Pat K0PC to fill in.

My exchange will be [your call] 559 C0 ET 5W [your call].

Please don't transmit on my calling frequency-- if you don't have RIT or some other means of working "split" please tune off upwards as far as you can or wait till later in the hunt when I'm calling CQ multiple times.

Should be a fun one, and I've got a pelt here with your call on it....

Good luck, and may the Fox be with you!

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express and Oak Hills Research
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
<http://www.ohr.com>
(303)752-3382

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Date: Wed, 15 Jan 2003 15:34:38 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-1@Lehigh.EDU>
Subject: [144742] Capacitor Designation A1A= NP0?
Message-ID: <000d01c2bcd5\$86f05af0\$8fa854d1@6300us>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A while back, I picked up several values of capacitors with the designation A1A on them and they all seemed to be temperature stable. So, I just saw a quantity on eBay for a good price that had A1A on them and bought them, hoping they were also NPO, and the few I checked are stable. I've never seen that A1A means NPO but does anyone know for sure whether it does or not?

Everything on the caps:

A1A
561
GAL
336

Thanks,

Denny Payton, N9JXY
Auburn, IN

Date: Wed, 15 Jan 2003 13:10:29 -0800
From: "Richard Johnson" <richard_johnson@credence.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [144743] Pre-Amps
Message-ID: <3E25CE45.C4E9C71E@credence.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mr. Reflector:

For a low noise pre-amp, just before the first mixer, on the 40m to 10m bands what would perform best

A -- grounded gate FET?

or

B -- Common base Norton?

cheers,
rich

Date: Wed, 15 Jan 2003 15:51:08 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-1@lehigh.edu, Rock-Mite_Group@yahoogroups.com
Subject: [144744] Rock-Mite1 FET RF Gain Control
Message-ID: <3.0.2.32.20030115155108.007f0d80@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

R-Mers,

Schematic in Photos, W5USJ folder.

Did some experiments with an MPF102 FET as a control element for RF Gain control this morning. Worked out quite well.

Upside: Short leads in RF circuit -- pot can be any place there is room, more uniform gain change.

Downside: Takes more parts (4) -- probably won't work with 9 Volts.

It takes about 8 Volts on the Gate to pinch the device off. When this voltage is reached, there is still some RF getting through (but not much). Probably through the S/D capacitance, other stray capacitance and stray inductances.

The change is minimal until the Gate voltage gets near 8 V. Then the change is more dramatic. A pot with a log taper (audio?) and a rate of change that decreases as the resistance increases would help. Max gain at 12 V and min gain at ~8 V.

Connected the FET between C1 and D1 with short leads. Drain to C1 and Source to D1. The Gate is connected to the wiper of a 5 k Ohm pot and bypassed with a .1 uF cap (don't need a stray antenna here).

Connect the 5 k Ohm pot -- one end to 12 V and the other end to 10 k Ohm resistor. The resistor is connected to ground.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1

Rock-Mites on 80, 40, 30, 20 and 15 Meters
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Wed, 15 Jan 2003 11:00:54 -0500
From: "Walter Amos" <waltk8cvamosqrp@earthlink.net>
To: "Qrp-L Posts" <qrp-l@lehigh.edu>
Subject: [144745] Fw: two questions
Message-ID: <000601c2bce6\$2e2e9560\$8fe45aa6@waltamos>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you go to google and put in Earthlink

<http://www.google.com>

you will get a 6 month offer for \$60 paid monthly at \$10 a month. It has
handled QRP-L messages just fine and they will send free software or you can
download it.

If you put ISP and LOW PRICE in google lots of interesting things come up.

Just about ANYTHING is better than AOL :-)

Walt K8CV Royal Oak, MI.

----- Original Message -----

From: <JClinton46@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, January 14, 2003 4:18 PM
Subject: two questions

> Les,

>

> I went through the experience of AOL not passing QRP-L mail. First I
missed

> about 25-35 percent of the posts. I switched to the digest mode and was
100%

> for about 6 months then that became erratic and finally stopped. I had
> started using the web archives about that time and thought I had postponed
> the digest because I didn't get any for about 6 months. Then it suddenly
> started back up about a month ago.

>
> I went round and round with AOL early on until I was quite dizzy. Good
luck
> on getting any real action. I just did what any ham would do, if A and B
> don't work, try C, etc.
>
> 73, Clint
> KE4FDT

Date: Wed, 15 Jan 2003 14:50:48 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [144746] Re: QRP in Norway
Message-ID: <MABBJOEABOILMKCJCLFCIEGODPAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gary
Start with the ARRL.
They have a person who can help you with licensing info for other countries.
You could also look up the NRRL, Norway's ARRL. I'm sure they could
also provide info.
Enjoy your trip and 73,
Bob N6WG

Date: Wed, 15 Jan 2003 18:47:57 -0600
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [144747] Re: QRP in Norway
Message-ID: <200301160139.TAA07202@steel.eosinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

On Wed, 15 Jan 2003 11:33:16 -0800, DTX wrote:
>>BTW, the moderation of the list is working very well!
>
>Has helped in one area but a msg about a DX station posted at=
1:30AM

>(I think) didn't get thru till Jim gets to the list around 8AM. =
The
>next FOX hunt should be interesting when all the Where Is He and=
I
>Found Him At msgs show up the next morning ;-)

The HFPack group which is moderated also has a group called HFNow=
that is
strictly for posting schedules and contact information. No=
discussion is
allowed other than schedules and sitings. You can join either=
through Yahoo
Groups. (Please don't bother to reply if all you're going to do=
is complain
about Yahoo.)

Tim, N9PUZ
<http://www.qsl.net/n9puz>

Date: Wed, 15 Jan 2003 19:52:04 -0500 (EST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: qrp-l@lehigh.edu
Subject: [144748] 2002 QST's wanted, February through May
Message-ID: <200301160052.h0G0q4X04742@panix1.panix.com>

Hi,
If anyone out there is going to throw away the February through May
2002 QST's, I'd appreciate it if you'd throw them my way.

I know I gave a couple away on my DXpedition trips last year, but
don't know what happened to the others.

I'll certainly pay mailing costs.

I am a Life member of the ARRL, and will buy the CDROM, eventually,
but I find the paper magazines are easier to browse.

73, doug

Date: Wed, 15 Jan 2003 16:54:14 -0800
From: "Ward Silver" <hwardsil@centurytel.net>
To: <qrp-l@lehigh.edu>

Subject: [144749] Re: Maxim gets the idea !
Message-ID: <03ee01c2bcf9\$ca777460\$7ca9fea9@MRKNOWITALL>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I wonder if the engineer responsible is a QRP-er! There's no author on the Web page.

73, Ward N0AX

Date: Thu, 16 Jan 2003 01:09:43 +0000
From: jacksonharbor@att.net
To: QRP-L@LEHIGH.EDU
Cc: dpayton@fwi.com
Subject: [144750] Re: Capacitor Designation A1A= NPO?
Message-ID: <20030116010943.KUPI9286.mtiwmhc11.worldnet.att.net@mtiwebc20>

Denny -

I don't know about the A1A marking, but I did see an interesting link on another email list about capacitor codes:

<<http://xtronics.com/kits/ccode.htm>>

Don't see anything about A1A though.

Best Regards,

Chuck Olson, WB9KZY
Jackson Harbor Press
<<http://jacksonharbor.home.att.net/>>

Date: Wed, 15 Jan 2003 20:12:35 -0500
From: "Joe W2KJ" <w2kj@bellsouth.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [144751] F.S. Curtis 8044ABM keyer chip
Message-ID: <000701c2bcfc\$5a8d8600\$220110ac@gateway.2wire.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Howdy Gang:

Was going through some stuff in the shack tonight and found a new Curtis 8044ABM keyer chip.

I am using the Super CMOS III keyers now so the 8044ABM is surplus to my needs.

If anyone needs this chip I will ship it for \$20.

73, Joe W2KJ
North Carolina

Date: Wed, 15 Jan 2003 19:15:10 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@LeHigh.EDU>
Subject: [144752] Fox - Winter Fox Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0301151901470.5238-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt # 19 - K9DC -

Burbank Wrecking Crew - 60

Cheeseheads - 72

Michael - K6MMC *
Todd - AG0T *
Don - KC2CK
Woody - WD9F
Trev - KG6CYN

Jerry - N9AW
Jim - WA9TZE *
Lon - W9XU *
Rick - NK9G
Glenn - WE9K

NE-TX Tornados - 86

p-Shooters - 39

Chuck - W5USJ *
Bill - K5JHP * Clean
Don - K5DW * Sweep
Doc - W5TB *
George - W5YR *

Chuck - K7QO
Gary - NQ7T
Jim - KC1FB *
Wayne - W5KDJ *
Tony - KB9YIG

Raiders of the Lost RF - 67

Dan - VE6EX *
Earl - VA6RF *
Fred - VE3FAL
Robert - VE6JAZ *
Bruce - VE5RC *

Swamp Rats - 81

Larry - N2WW *
ET - N1FN * Clean
Paul - K4FB * Sweep
Doc - K0EVZ *
Tom - N1TP *

K1 K9s - 54

Lloyd - K3ESE
John - K8HJ
Ralph - KD1R
Joe - W2RBA *
Alan - N3BJ *

Cajun Thunder - 64

Wayne - K5E0A *
Jim - N5IB *
Vern - AA50 *
Wayne - N5YFC
Tom - AC5JH *

Great Lakers - 44

Mark - K2Q0
Tom - KV2X
Al - K2ZN
Bill - K2TER
Jeff - VA3JFF

Underdogs - 76

Dan - N4R0A *
Dave - W0CH
Ron - KI0II *
Randy - K7TQ *
Art - KB7WW *

Aluminum Kings - 61

Bob - N4BP *
Jim - N0UR
Al - K0FRP *
Pat - K0PC
Todd - N9NE

Dust Devils - 59

George - KR5C
Martin - N6LIF
Eric - NM5M *
Dale - K5SR *
Lew - N5ZE *

Loco-motives - 42

Frank - K2PQ
Jack - K5FSE
Jason - N8XE
Mike - VA6MJT * <- well done Mike!
Wayne - K9DI

..please send any changes and/or corrections directly to me...thank
you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -

- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Wed, 15 Jan 2003 20:40:20 -0500
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jona1.net, qrp-l@lehigh.edu
Subject: [144753] NEQRP CW Net, Thursday, 16 Jan 03, 08:30 PM EST, 3.565 MHz
Message-ID: <3E260D84.8040401@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on Thursday, 16 January 2003, at 8:30 PM EST (01:30Z, 17 Jan 03) on or near 3.565 MHz. All hams are welcome. Net control operator will be Chuck, K1CL, operating from Chelmsford, MA.

Net control operator for last week's net was John, K1RC, operating from Dracut, MA. John reported the following check-ins, with arm-chair copy:

#1.	N1VS ,	Vince in Winstead RI	599
#2.	WA1JXR,	Greg in Lancaster, MA	599
#3.	WA8BXN,	Mike nr Cleveland, OH	589
#4.	WB1HBE,	John in Chelmsford, MA	599
#5.	AA1CW,	Ed in Tyngsboro, MA.	599

Thanks to everyone for QNI'ing. Hope to hear you all again this week.

72 DE K1CL,
Chuck

Date: Wed, 15 Jan 2003 20:48:07 -0500
From: Dave Gingrich K9DC <gingrich2@dcg.org>
To: Low Power Discussion <qrp-l@Lehigh.EDU>
Subject: [144754] FOX: K9DC Log pass two

Message-ID: <8F43B9E8-28F4-11D7-B7E3-000393C78314@dcg.org>
Mime-Version: 1.0 (Apple Message framework v551)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

Rehashed slightly...

0201	K5E0A	559	LA	Wayne	5W
0202	K5DW	559	TX	DON	5W
0202	K4FB	559	FL	Paul	5W
0204	AA50	559	LA	Vern	5W
0204	VE5RC	559	SK	Bruce	5W
0205	K5OI	559	OK	Tim	5W
0206	K5DI	559	NM	Karl	5W
0207	W5YR	559	TX	George	5W
0207	K0FRP	599	CO	Al	5W
0208	K3IU	559	PA	Ken	5W
0209	W5USJ	559	TX	Chuck	5W
0209	NM5M	559	TX	Eric	5W
0210	N4BP	559	FL	Bob	5W
0212	K5JHP	559	TX	BILL	5W
0212	N5IB	559	LA	JIM	5W
0213	VE6EX	559	AB	DAN	5W
0214	W5TB	559	TX	DOC	5W
0215	K5ZTY	559	TX	BILL	5W
0216	KK5LD	559	TX	DAN	5W
0217	N1FN	559	CO	ET	5W
0218	K0EVZ	559	ND	DOC	5W
0219	AC5JH	559	OK	TOM	5W
0220	AG0T	559	ND	TODD	5W
0221	KB7WW	559	OR	ART	5W
0222	K5SR	559	TX	DALE	5W
0223	VA6RF	559	AB	EARL	5W
0224	N5ZE	559	TX	LEW	5W
0225	NQ7X	559	AZ	FLOYD	5W
0226	KR0U	559	CO	TIM	5W
0228	N1TP	559	FL	TOM	5W
0228	K4BYF	559	FL	JACK	3W
0229	KC1FB	559	CT	JIM	500mw
0230	WA8NTA	559	CO	DICK	5W
0231	KD5CMN	559	TX	MIKE	5W
0232	N7XY	559	WA	BOB	5W
0233	W5KDJ	559	TX	WAYNE	600mw
0234	WR50	559	TX	DAVE	5W
0234	VE7HHH	559	BC	BLAIR	5W
0235	KI0II	579	CO	RON	1W
0237	K6MMC	559	CA	MIKE	5W
0240	K6VNX	559	CA	ARLEN	5W

0242	N0RC	599	CO	ROB	5W
0245	K7TQ	559	ID	RANDY	5W
0253	W2RBA	599	NY	JOE	5W
0254	VE4WI	559	MB	CRAIG	5W
0255	W9XU	559	WI	LON	5W
0257	N0SG	559	CO	JASON	5W
0258	N4ROA	559	VA	DAN	5W
0300	N2WW	559	CO	LARRY	5W
0304	VE6JAZ	559	AB	ROB	5W
0308	WA9TZE	339	WI	JIM	5W
0310	K1KID	559	MA	CARL	4W
0314	AC7A	559	AZ	TOM	5W
0327	AL0A	559	ME	GREG	2W
0339	VA6MJT	559	AB	MIKE	5W
0343	N0EK	559	ND	ED	2W
0346	W2XN	559	FL	FRED	5W
0346	N7CQR	559	OR	DAN	5W
0357	NN1F	559	NH	ARON	4W
0400	N3BJ				
0400	K9DC				

=====

Dave Gingrich, K9DC
 Indianapolis, Indiana USA
 Dave@dcg.us

=====

Date: Wed, 15 Jan 2003 20:01:05 -0600 (CST)
 From: Bruce Rattray <rattray@gpfn.sk.ca>
 To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
 Low Power Group <qrp-l@LeHigh.EDU>
 Subject: [144755] Fox - Winter Fox Hunt Teams Results.
 Message-ID: <Pine.LNX.4.33.0301151953210.8204-1000000@neale.gpfn.sk.ca>
 MIME-Version: 1.0
 Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt # 20 - N3BJ -

Burbank Wrecking Crew - 63

Cheeseheads - 72

Michael - K6MMC *

Jerry - N9AW

Todd - AG0T *

Jim - WA9TZE

Don - KC2CK

Lon - W9XU

Woody - WD9F
Trev - KG6CYN *

Rick - NK9G
Glenn - WE9K

NE-TX Tornados - 91

p-Shooters - 40

Chuck - W5USJ *
Bill - K5JHP * Clean
Don - K5DW * Sweep
Doc - W5TB *
George - W5YR *

Chuck - K7Q0
Gary - NQ7T
Jim - KC1FB
Wayne - W5KDJ *
Tony - KB9YIG

Raiders of the Lost RF - 71

Swamp Rats - 86

Dan - VE6EX *
Earl - VA6RF *
Fred - VE3FAL
Robert - VE6JAZ *
Bruce - VE5RC *

Larry - N2WW *
ET - N1FN * Clean
Paul - K4FB * Sweep
Doc - K0EVZ *
Tom - N1TP *

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John - K8HJ
Ralph - KD1R
Joe - W2RBA
Alan - N3BJ *

Wayne - K5E0A *
Jim - N5IB * Clean
Vern - AA50 * Sweep
Wayne - N5YFC *
Tom - AC5JH *

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Tom - KV2X
Al - K2ZN
Bill - K2TER
Jeff - VA3JFF

Dan - N4R0A *
Dave - W0CH * Clean
Ron - KI0II * Sweep
Randy - K7TQ *
Art - KB7WW *

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Dust Devils - 63

Bob - N4BP *
Jim - N0UR * Clean
Al - K0FRP * Sweep
Pat - K0PC *
Todd - N9NE *

George - KR5C *
Martin - N6LIF
Eric - NM5M *
Dale - K5SR *
Lew - N5ZE *

Loco-motives - 42

Frank - K2PQ

Jack - K5FSE
Jason - N8XE
Mike - VA6MJT
Wayne - K9DI

..please send any changes and/or corrections directly to me...thank
you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Wed, 15 Jan 2003 21:08:29 -0500
From: Jim Thiessen <jthiessen@videotron.ca>
To: qrp-l@Lehigh.EDU
Subject: [144756] Looking for a set of KG6CYN DDS Signal Generator PCB's
Message-ID: <005201c2bd04\$29c52520\$1e02a8c0@WorkGroup>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Looking for a set of KG6CYN DDS Signal Generator PCB's as described in
http://home.earthlink.net/~kg6cyn/DDS_Project.htm.

If you are willing to part with your boards (1 set) please contact me.

Thanks & 72's

Jim
VA3KV

Date: Wed, 15 Jan 2003 21:18:26 -0500
From: Ed Tanton <n4xy@earthlink.net>

To: richard_johnson@credence.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [144757] Re: Pre-Amps
Message-ID: <5.2.0.9.2.20030115204045.040229d8@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Rich... there are some very interesting discussions of RF Preamps and matching inductors on the QRP HomeBuilder website at:
<<http://www.qrp.pops.net/default.htm>> .

My personal favorite is bipolar, using the 2N5109 (or better) but running them as common base Norton amps is not necessary at HF. Other factors influence the circuit design more than that grounded-base config. Even RACAL does not use grounded-base in the preamp that came with/or was an option on their later RA6790/GM. I also like a cascode, grounded gate, pair of MPF-102s/etc. that was published in the DEC1995 issue of "CQ" entitled "How To Build A Cascode Antenna Amplifier" by Michael D. Allen, KD6GKR.

There is also a VERY nice, LOW NOISE, bipolar 2N5109 circuit schematic at:
<<http://www.qsl.net/yo5ofh/projects/wbhoiplna.gif>> that comes from the NOV 1979 issue of "Ham Radio" p.34 written by Ulrich Rohde, entitled: "Wideband High OIP, Low Noise Amplifier".

Incidentally, you should not miss the main page of Y050FH's website, at:
<<http://www.qsl.net/yo5ofh/>>... there's a WEALTH of information there!!!

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 15 Jan 2003 19:54:16 -0700

From: "Thomas Kuehl" <ac7a@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [144758] Re: Pre-Amps
Message-ID: <003201c2bd0a\$8f3e42a0\$0a0110ac@texas6oef4glwm>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rich,

Although you haven't given us any information about what active devices you plan to use, or the mixer characteristics, I'll give your question a shot.

Let's assume you are using a J309 for the grounded gate amplifier, and a 2N5109 for the noiseless feedback, Norton amplifier. I would expect that you would get similar noise figures for the two amplifiers; maybe a little better with the JFET amp. You probably wouldn't be able to perceive the difference. Gain for the two amplifiers will probably be around +10dB. There are a number of factors that will set the actual gain. The JFET will be sensitive to input and output matching, and the Norton amp to the feedback ratio set up by the transformer. This an oversimplification, but will get you close.

The big advantage of the Norton amp is the input and output impedance is quite close to 50 Ohms, and it is a broadband enough to cover the entire H.F. range (and then some). A properly biased Norton amp will have a high 1dB compression point, and 3rd-order intercept. You have to make sure your mixer and post-mixer amp can handle the sturdy preamp stage; otherwise, there is little point in using one that good.

Regards, Thomas - AC7A (Tucson)

Date: Wed, 15 Jan 2003 19:41:28 -0800
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: "BWC Fox Hunt Team" <bwc@magicglowbox.com>
Subject: [144759] Back to CA!!!
Message-ID: <005d01c2bd11\$280dc540\$c270be3f@etclink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Gang,

YES!!! I'm going home!!! Have to get my butt out of bed early tomorrow and catch a 6:50 AM flight back to Burbank! It's been a lot of work here in Middleton,WI, but also some fun from the Hotel too.

Was very nice to work some of the familiar calls and hope to work more of you when I get back home as the bands seem very long right now.

Paul WA9PWP dropped by the Hotel last night for a face to face QSO and a bit of Show and Tell. Paul got to check out the kit version of the Signal Generator, and I got to play with his K1 (man that's a neat little rig! I want one). His 4 band K1 has the internal battery pack and the auto tuner. BTW Paul is an excellent builder, and his K1 looked like a factory built rig! Nice job Paul! We plugged it into the antenna that I had set up here at the hotel (100' Center Fed Zepp) and tuned it for 20 meters. Within about a second it had tuned for 1:1 SWR on 20! We hooked up a set of paddles and tuned the bands and heard KNOCW, the special FISTS station calling CQ and decided to work him with 3 watts. Turns out that Dave was in NH and we both had a turn at the rig. Was a LOT of fun! I found the K1 to be a VERY outstanding rig on the air. The keying is nice and smooth, the adjustable filters were a joy to work with, and the audio was very pleasant to listen to. I must say that I can see why so many of you like it over the FT-817! The T/R relay in the 817 has always driven me nuts! Not to mention the low current draw on RX of the K1. It'd make a great portable rig. I think that Wayne is going to be getting yet another K1 order very soon. I guess my next question is, if the K1 is this good, what is the K2 like on the air? Anyone in the Burbank area want to let me at their paddles fer a few minutes ;-)

Good thing I'm getting back early, as the FOXII are fairly easy from Burbank. I'm looking forward to FOX Hunting from the home QTH.

BTW, I don't know what Jim has done to the list in the last day or so, but I must say that I really have enjoyed the postings the last couple of days! Thanks Jim!

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

Date: Wed, 15 Jan 2003 21:54:56 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-1@Lehigh.EDU>
Subject: [144760] Re: FT-817 accessories
Message-ID: <00b101c2bd13\$0919a8a0\$3e9b66a6@jay>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks gang the items are spoken for.

Many thanks and 73 de jay..

> Hi Gang,
>
> These items are surplus to my needs:
>
> LDG Z11 with W4RT one touch for FT-817.
>
> Mountain ops pack for the above with the extra padded cover.
>
> Yaesu CT-62 interface cable for the FT-817.
>
> All items are like new condition.
>
> I would like to sell these as a package deal, but I will separate as a
last
> resort. Let's deal!
>
> Many thanks and 73 de jay..
>
>
>

Date: Wed, 15 Jan 2003 23:02:59 -0500
From: "Tom Palmer" <n1tp@swfla.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [144761] Fw: G4ZPY dual lever paddles (iambic)
Message-ID: <000301c2bd14\$2a4bc700\$6b2a0843@swfla.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Owner reviews on this paddle are on eham.

<http://www.eham/reviews>

Tom, N1TP
Naples, Florida

Date: Wed, 15 Jan 2003 21:12:53 -0800
From: "Richard Johnson" <richard_johnson@credence.com>
To: ac7a@earthlink.net,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [144762] Re: Pre-Amps
Message-ID: <3E263F55.101A8427@credence.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thomas:

I was thinking of putting the pre-amp between an input bandpass filter and a diode-ring mixer in a Direct Conversion receiver. Does that help specify your already good answer.

cheers,
rich

Thomas Kuehl wrote:

> Rich,
>
> Although you haven't given us any information about what active devices you
> plan to use, or the mixer characteristics, I'll give your question a shot.
>
> Let's assume you are using a J309 for the grounded gate amplifier, and a
> 2N5109 for the noiseless feedback, Norton amplifier. I would expect that you
> would get similar noise figures for the two amplifiers; maybe a little
> better with the JFET amp. You probably wouldn't be able to perceive the
> difference. Gain for the two amplifiers will probably be around +10dB. There
> are a number of factors that will set the actual gain. The JFET will be
> sensitive to input and output matching, and the Norton amp to the feedback
> ratio set up by the transformer. This an oversimplification, but will get
> you close.

>
> The big advantage of the Norton amp is the input and output impedance is
> quite close to 50 Ohms, and it is a broadband enough to cover the entire
> H.F. range (and then some). A properly biased Norton amp will have a high
> 1dB compression point, and 3rd-order intercept. You have to make sure your
> mixer and post- mixer amp can handle the sturdy preamp stage; otherwise,
> there is little point in using one that good.
>
> Regards, Thomas - AC7A (Tucson)

Date: Thu, 16 Jan 2003 03:02:21 -0500
From: "Tom Palmer" <n1tp@swfla.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [144763] Fw: G4ZPY dual lever paddles (iambic)
Message-ID: <000601c2bd35\$99538860\$6b2a0843@swfla.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Make that:

<http://www.eham.net/reviews>

Tom, N1TP
Naples, Florida

Date: Thu, 16 Jan 2003 00:25:52 -0800
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [144764] February 2003 QST
Message-ID: <5.1.1.6.0.20030116000804.00b32398@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I got back late from Phoenix from the usual Wednesday trip down to the
flat lands. It's late late Wed or early early Thur depending upon how you

look at it. :-) Got the latest QST issue and looking at it. Too hyped after the trip after winning the second of three tournaments this year that I enter weekly.

1. On page 18 is the picture of the new RF Design book by Hayward, et al.
2. On the opposite page (19) is a picture of Ken Hopper, N9VV, one of this group with the TenTec ad and something about a microphone. I see that Ken has gone over to the dark side using modes other than CW. :-)
In on the air QSOs over the past few decades both Ken Hopper, N9VV, and Dub Thorton, WA5YFY, are the two fastest CW ops that I have worked. Both at over 60WPM without much trouble for either. Ken got his training with the help of the US Government and Dub with the railroad.....
3. Pages 65 and 66 should be of interest for those that want to start out experimenting before the Hayward book gets to the shelves or to your mailbox if you already ordered one. The series "Hands-On Radio" has a small common-emitter amplifier with equations to experiment with. It does help to have a dual-trace o-scope and maybe a simple crystal oscillator to use for a signal generator. This article was labeled #1 --- so I assume that it is to be a monthly item in each QST issue. Done by Ward Silver, N0AX.
4. Rich Arland, K7SZ, does his usual good work in "QRP Power" column that he does every month.

I bring these things up to point out additional items other than those already posted about this issue of QST related to QRP or the group at large.

My personal thanks to the ARRL for their continued support of QRP.

FYI

Chuck Adams, K7QO
<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

Date: Thu, 16 Jan 2003 03:18:52 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: n9vv@wideopenwest.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [144765] re: FT-857 - pictures

Message-ID: <20030116111852.63026.qmail@web14207.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Why search the web, it's the add on the inside back
cover of the Feb. QST.

73 Bill kc4atu

no rice boxes in my shack either, HT's don't count.

back to the cave

Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
<http://mailplus.yahoo.com>

Date: Thu, 16 Jan 2003 05:40:26 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [144766] FOX: Locations
Message-ID: <Pine.LNX.4.44.0301160535040.1330-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Where the Fox lives does effect your success in a Hunt. So I
looked up both foxes who are N1FN ET in Arora CO and N0UR Jim in MN.

The band has all week been long with very little short skip
after dark, but I hope that changes today.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Thu, 16 Jan 2003 07:59:06 -0500
From: wkhibbert@juno.com
To: qrp-l@lehigh.edu
Subject: [144767] RockMite Homebrew Heatsink Drawing
Message-ID: <20030116.080350.-552291.0.wkhibbert@juno.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. Keith here in the Depths of the Great Bergen Swamp

I sketched out a diagram for "rolling your own" heatsink for the metal 2N2222 final in the RockMites. It's a monochrome 16K bitmap file, and I will send one to anyone in need upon request.

I am just headed out to work and will be back here about 2200Z. Send me your request(s) and I will send them out tonight.

I am sending a copy to Rod, N0RC for his RockMite pages. I don't know how long it will take him to post it. Patience, PLEASE!

73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
"My night light runs more power than my Rig!!!"

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Date: Thu, 16 Jan 2003 7:18:33 -0600
From: <nkennedy@tcainternet.com>
To: qrp-1@Lehigh.EDU
Subject: [144768] Re: Pre-Amps
Message-ID: <20030116131833.PAN3176.fe1@localhost>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO8859_1
Content-Transfer-Encoding: 7bit

Good discussion.

Regarding the Norton amplifier, my impression is that the input resistance isn't necessarily always 50 ohms, but is equal to the output resistance. Connect a 50 ohm load and input R is 50 ohms. Connect 100 and get 100 looking in.

That's the input resistance. I'm not sure what the output resistance is.

72--Nick, WA5BDU

Date: Thu, 16 Jan 2003 08:29:14 -0600
From: W2EB <w2eb@twcnny.rr.com>
To: qrp-l@lehigh.edu
Subject: [144769] HB: Buffer amp question
Message-ID: <3E26C1BA.5096527A@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

If this is a repost, forgive me. My machine went berserk as I was writing the original version of this.

A question for the technically talented among us:

I'd like to run a 100MHz TTL canned oscillator as the BFO in my W7ZOI/K7TAU Spectrum Analyzer. The oscillator will only sink/source 4mA. Thus, I need a buffer amp to transform this Low level/High impedance signal to a higher level/50 ohm impedance.

I have been unable to find any VHF Buffer amp circuits (approx 5K to 50 ohm, 10 to 15dB gain).

In doing it myself, I have no accurate means of measuring output levels at this frequency and don't wish to destroy the oscillator. It would be tough to test or optimize any circuit I may develop.

I assume it will be a simple matter of using a single FET, but I'm not sure of typical FET performance at VHF.

Does anyone have a favorite circuit that can accomplish this? -OR- Does anyone know of a source of simple information to teach me how to design something like this myself? I'm not an engineer, so calculus-based info wouldn't work out very well.

73,

Bill
W2EB

--

"Thomas Hodgkin died of natural causes"

Date: Thu, 16 Jan 2003 08:32:42 -0500
From: brewerj@squared.com
To: QRP-L@Lehigh.edu
Subject: [144770] Need part description on Ft. Smith Sidekick
Message-ID: <0FEBD6208D.31E41B05-0N85256CB0.004A3C1F@CIS.SQUARED.COM>

MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

I'm at work and thought I brought the info I needed to replace the two caps that appear to cause microphonic operation in the Sidekick.

The information I received indicated that C20 and C21 need to be poly or similar.

Can someone send me what the values of those two caps are?

Thanks!
John

Date: Thu, 16 Jan 2003 08:54:11 -0500
From: Alex <kr1st@amsat.org>
To: Steve.Lawrence@ITWFEG.COM
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [144771] FT-857 manual and pictures
Message-ID: <3E26B983.E0881CE8@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

You can download the manual from the FCC site:

[https://gullfoss2.fcc.gov/prod/oet/forms/blobs/retrieve.cgi?
attachment_id=286869&native_or_pdf=pdf](https://gullfoss2.fcc.gov/prod/oet/forms/blobs/retrieve.cgi?attachment_id=286869&native_or_pdf=pdf)

To see other info stored on the FCC site, including pictures, go to:

[https://gullfoss2.fcc.gov/cgi-bin/ws.exe/prod/oet/forms/reports/Search_Form.htm?
mode=Edit&form=Exhibits&application_id=933174&fcc_id=K66FT-857](https://gullfoss2.fcc.gov/cgi-bin/ws.exe/prod/oet/forms/reports/Search_Form.htm?mode=Edit&form=Exhibits&application_id=933174&fcc_id=K66FT-857)

If these links are too long for the list, then go to:

<http://www.fcc.gov/oet/fccid/>

Enter "K66" (without the quotation marks) in the FCC ID field and "FT-857" in the Equipment Product Code field. Click on Start Search and then on Continue in the security alert box that pops up. Next you get a list of exhibits. Even though there are multiple links, they point to the same files. Click on the Detail link and you will be presented with a list of files. The bottom one is the manual, and the pictures are also

available on that list.

Make sure you have the Japanese Font Package installed for your Acrobat reader. Even though the manual is in English, Acrobat needs this package to display the manual (don't ask me why). You can download the Japanese Font Package (5.8Mb, don't download the one for Pocket PC) at:

<http://www.adobe.com/support/downloads/product.jsp?product=10&platform=Windows>

Whenever you see an ad for a radio, scanner etc. and it does not say at that FCC approval is pending, then first go to the FCC ID Search site to find information on a radio. This information is usually not cataloged or indexed by Web Search Engines like Yahoo or Google, or even a better one, Teoma.com. If you visit the FCC data bases on a regular basis then you can often get the scoop on new radios before even one word has been published anywhere.

The Grantee Code (K66 in this case for Yaesu) does not change for a manufacturer, although some manufacturers seem to have multiple Grantee Codes. By just searching by Grantee Code you will find documentation on all equipment a manufacturer has offered to the FCC for certification. Some manufacturers, or companies who do the testing for them, forget to check the confidentiality box on the application (when they file online) or they forget to ask . If that happens then all documentation they submit will be available through the FCC website, often including schematics and other fun stuff.

If you have a radio without a manual, use the FCC-ID on your radio to search the FCC databases to see if they have a copy available for download. There are sites out there that will gladly sell you a copy of a manual, but you may already have paid for it through your tax dollars. :)

I know that I posted this info many moons ago on the APRS list, but I may have also posted it here before. If I did, then I apologize for the bandwidth.

As for the FT-857.....I often see manufacturers publish an ad announcing the radio before the radio is type accepted. This time Yaesu waited until after New Years. I wonder if this is a replacement for the FT-897 and Yaesu made a deliberate attempt not to announce this radio before the Holiday Season in order to maybe "flush out" the FT-897. Pure speculation of course.

73,
--Alex KR1ST

Date: Thu, 16 Jan 2003 08:59:56 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [144772] FT-857 designed for Mike Yetsko?
Message-ID: <3E26BADC.334AF8D3@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

It seems that this radio has been designed with Mike Yetsko in mind. It is capable of receiving the NOAA WX stations. :)

73,
--Alex KR1ST

Date: Thu, 16 Jan 2003 09:09:24 -0500
From: "Ken Newman" <N2CQ@Dandy.Net>
To: "W3BG" <W3BG@arrl.net>, "Norm Into" <normk8ni@neo.rr.com>,
"N4SO" <N4SO@Juno.com>, "QRP-L Reflector" <QRP-L@lehigh.edu>,
Subject: [144773] [CONTEST] N2CQ QRP Contest Calendar - Jan16-31
Message-ID: <003901c2bd68\$e3ec5540\$b99dfa42@D910G521>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

~~~~~  
N2CQ QRP CALENDAR  
JANUARY 16-31, 2003  
~~~~~

40 METER FOXHUNTS
Fox Hunt - Thursdays - 9pm EST, 8PM CST, 7PM MST and 6PM PST.
Info: <http://www.cqc.org/fox>
Truffle Hunt - Thursdays - 30 min before Fox Hunt
Info: http://fpqrp.com/pig_hunt.html
~~~~~

070 Club PSK Contest ... QRP Category  
Jan 18 - 0000z to 2400z  
Rules: <http://www.podxs.com/html/pskfest.html>  
~~~~~

Michigan QRP Club Contest (CW) ... QRP Contest!
Jan 18 - 1200z to Jan 19 - 2359z
Rules: <http://www.qsl.net/miqrpclub>
~~~~~

LZ OPEN CONTEST (CW 80M/40M) ...QRP Category  
Jan 18 - 1200z to 2000z  
Rules: <http://www.qsl.net/lz1fw/lzopen/index.html>

~~~~~  
North American QSO Party (SSB) (QRP Entries Noted)
Jan 18 - 1800z to Jan 19 - 0600z
Rules: <http://www.ncjweb.com/naqprules.php>

~~~~~  
CQ WW 160-Meter DX Contest (CW) ... QRP Category  
Jan 25 - 0000z to Jan 26 - 2400z  
Rules: <http://www.cq-amateur-radio.com/infoc.html>

~~~~~  
UBA DX Contest (Belgian) (SSB) ... QRP Category
Jan 25 - 1300z to Jan 26 1300z
Rules: <http://www.uba.be>

~~~~~  
Thanks to SM3CER, WA7BNM, N0AX/ARRL and others  
for assistance in compiling this calendar.

Anyone may use this "QRP Contest Calendar" for your website,  
newsletter, e-mail list or other media as you choose.  
(Include a credit to the source of this material of course.)

72 de  
Ken Newman - N2CQ  
N2CQ@ARRL.NET  
<http://www.njqrp.org/data/contesting.html>  
<http://www.n3epa.org/Pages/Contest/contest.htm>  
<http://www.qsl.net/cqrp/contests.html>

-----  
Date: Thu, 16 Jan 2003 09:19:54 -0500  
From: "Charles Feigley" <res1d3s1@verizon.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [144774] For Trade or For Sale  
Message-ID: <000601c2bd6a\$57915300\$37672f04@unknown>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello,

I have The following I would like to part with:

1- Patcomm PC 500 qrp rig. Has the hand mic and



the 40 and 20 meter band moduals. Condition is mint.

2- LDG Z-11 auto tuner. AS new.

I have the boxes and manuals for both.

Would Like to trade for any kenwood hf rig in working condition or will sell for \$400.00 cash and you pay shipping.

Thank You,

Charlie  
W4CDF

-----  
Date: Thu, 16 Jan 2003 08:08:29 -0700  
From: "Chris Trask" <chistrask@earthlink.net>  
To: <ac7a@earthlink.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [144775] Re: Pre-Amps  
Message-ID: <00c001c2bd71\$22651840\$94859e40@ctrask>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

>  
> The big advantage of the Norton amp is the input and output  
> impedance is quite close to 50 Ohms, and it is a broadband  
> enough to cover the entire H.F. range (and then some). A  
> properly biased Norton amp will have a high 1dB compression  
> point, and 3rd-order intercept.  
>

Not necessarily true. The input and output impedances of the Norton amplifier are entirely dependent on the turns ratio of the transformer.

I can get much better IMP3, P1dB, and NF performance by using augmentation. There is a schematic for an augmented Norton amplifier on my webpage.

Chris

|                                                                                                     |                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| / ,-----.<br>/ What's all this \<br>/ extinct stuff, anyhow? /<br>\\ -----'<br>_  /<br>oo\<br>(__)\ | High Performance Mixers and<br>Amplifiers for RF Communications<br><br>Chris Trask / N7ZWY<br>Principal Engineer<br>Sonoran Radio Research<br>P.O. Box 25240 |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|

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Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: [chistrask@earthlink.net](mailto:chistrask@earthlink.net)  
<http://www.home.earthlink.net/~chistrask>

Graphics by Loek Frederiks

----- Original Message -----

From: "Thomas Kuehl" <[ac7a@earthlink.net](mailto:ac7a@earthlink.net)>  
To: "Low Power Amateur Radio Discussion" <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Sent: Wednesday, January 15, 2003 7:54 PM  
Subject: Re: Pre-Amps

> Rich,  
>  
> Although you haven't given us any information about what active devices  
you  
> plan to use, or the mixer characteristics, I'll give your question a shot.  
>  
> Let's assume you are using a J309 for the grounded gate amplifier, and a  
> 2N5109 for the noiseless feedback, Norton amplifier. I would expect that  
you  
> would get similar noise figures for the two amplifiers; maybe a little  
> better with the JFET amp. You probably wouldn't be able to perceive the  
> difference. Gain for the two amplifiers will probably be around +10dB.  
There  
> are a number of factors that will set the actual gain. The JFET will be  
> sensitive to input and output matching, and the Norton amp to the feedback  
> ratio set up by the transformer. This an oversimplification, but will get  
> you close.  
You have to make sure your  
> mixer and post- mixer amp can handle the sturdy preamp stage; otherwise,  
> there is little point in using one that good.  
>  
> Regards, Thomas - AC7A (Tucson)  
>  
>  
>  
>  
>

-----  
Date: Thu, 16 Jan 2003 10:09:20 -0500  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [144776] RE: February 2003 QST  
Message-ID: <721D3436A7C2B344A301FD4A413C71A9BFBFE4@kosh.ARRLHQ.ORG>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

>My personal thanks to the ARRL for their continued support of QRP.

Mine, too. Now, if every member of this list sought out his or her ARRL =  
Division Director at the next hamfest or club meeting the Director =  
attends and gave the same message, that sure would cause a stir, eh? :-)

Now, the ScQRPions on the list will get a hoot out of the fact that with =  
all of the Directors running about HQ today, I am wearing my ScQRPions =  
shirt proudly!

Now, I gotta' get me a Flying Pigs shirt for the July meeting! Do they =  
come as small as Large? :-)

73,=20  
Ed Hare, W1RFI  
ARRL Lab  
=20

-----  
Date: Thu, 16 Jan 2003 10:56:53 -0500  
From: "Joe W2KJ" <w2kj@bellsouth.net>  
To: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [144777] Parkland paddle  
Message-ID: <000501c2bd77\$e43917e0\$220110ac@gateway.2wire.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Howdy Gang:

The Parkland paddle I advertised for sale earlier has been

spoken for.

73, Joe W2KJ  
North Carolina

-----  
Date: Thu, 16 Jan 2003 12:54:09 -0500  
From: "Charles Feigley" <res1d3s1@verizon.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [144778] RE: Radio for sale or trade  
Message-ID: <000a01c2bd88\$458f0d00\$37672f04@unknown>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello All,  
The radio ect. Has been spoken for.  
Thanks,  
Charlie

-----  
Date: Thu, 16 Jan 2003 10:12:53 -0800  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [144779] Need help with email  
Message-ID: <006801c2bd8a\$e71bf1e0\$4a0b0d0a@dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys a couple of weeks ago I tried to download an email that contained an executable file. (A company had donated some palm pilot software to my students). Our ISP blocks this, but I did not know it. I got a message to change something, and I did. Now, I find that I can only get email attachments that are word files. All others are blocked by whatever I did. The guy next to me gets the same file that I can't get. Oh, I am using outlook express and when I get a file attached to an email, I see a paper clip. When I click on the paper clip, it is grey, and will not let me save or open it. Can anyone help me???? Thanks, Doug

Date: Thu, 16 Jan 2003 13:30:50 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <kr1st@amsat.org>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [144780] Re: FT-857 designed for Mike Yetsko?  
Message-ID: <006301c2bd8d\$6c1d67a0\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> It seems that this radio has been designed with Mike Yetsko in mind. It  
> is capable of receiving the NOAA WX stations. :)  
>  
> 73,  
> --Alex KR1ST

Is it QRP as well? Then I might just have to hold off buying food this  
month, or paying my daughters medical bills and get one!

Mike

-----  
Date: Thu, 16 Jan 2003 10:43:30 -0800  
From: "N4LGH" <n4lgh@waveguide.us>  
To: "QRP-L" <qrp-l@lehigh.edu>, <richard\_johnson@credence.com>  
Subject: [144781] RE: Pre-Amps  
Message-ID: <GNEOLGDJD0PEALHJMKLCCELDFFAA.n4lgh@waveguide.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I dig the '5109 configuration. It works great for 'near bullet proof'  
receivers.

There are a bunch of good articles and notes / projects online about the  
2n5109 amplifier. It is used after a mixer in the classic rx by W7Z0I in the  
handbooks of the 80's and 90's.

There are those who will say to scrap the idea of efficient power  
consumption - go all current-guzzling hot running high dynamic range class  
amplifiers for the 'best' quality receivers. I kinda dig that too.

I've built a bunch of those amps. Class A, right? It would be neat to find a class AB2 config for a pair of '5109s as a final for a hb ssb rig ...

Tracy N4LGH

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Richard Johnson

Sent: Wednesday, January 15, 2003 9:13 PM

To: Low Power Amateur Radio Discussion

Subject: Re: Pre-Amps

Thomas:

I was thinking of putting the pre-amp between an input bandpass filter and a diode-ring mixer in a Direct Conversion receiver. Does that help specify your already good answer.

cheers,  
rich

Thomas Kuehl wrote:

> Rich,  
>  
> Although you haven't given us any information about what active devices you  
> plan to use, or the mixer characteristics, I'll give your question a shot.  
>  
> Let's assume you are using a J309 for the grounded gate amplifier, and a  
> 2N5109 for the noiseless feedback, Norton amplifier. I would expect that you  
> would get similar noise figures for the two amplifiers; maybe a little  
> better with the JFET amp. You probably wouldn't be able to perceive the  
> difference. Gain for the two amplifiers will probably be around +10dB.  
There  
> are a number of factors that will set the actual gain. The JFET will be  
> sensitive to input and output matching, and the Norton amp to the feedback  
> ratio set up by the transformer. This an oversimplification, but will get  
> you close.  
>  
> The big advantage of the Norton amp is the input and output impedance is  
> quite close to 50 Ohms, and it is a broadband enough to cover the entire  
> H.F. range (and then some). A properly biased Norton amp will have a high  
> 1dB compression point, and 3rd-order intercept. You have to make sure your  
> mixer and post-mixer amp can handle the sturdy preamp stage; otherwise,  
> there is little point in using one that good.

>  
> Regards, Thomas - AC7A (Tucson)

-----  
Date: Thu, 16 Jan 2003 14:14:07 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <kr1st@amsat.org>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [144782] Re: FT-857 designed for Mike Yetsko?  
Message-ID: <001c01c2bd93\$741d13a0\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> It seems that this radio has been designed with Mike Yetsko in mind. It  
> is capable of receiving the NOAA WX stations. :)  
>  
> 73,  
> --Alex KR1ST

Actually....

I looked at the radio. Nice! But it seems to me to be more of a 'bigger'  
radio 'shrunk down' to be a compact mobile unit as opposed to be a  
small unit trying to be bigger.

And it sure ain't QRP with 50W of power! Not much room for AA  
batteries in that thing. And even with an external pack, AAs wouldn't  
last very long!

Seriously, looks nice, but it looks designed to go up against stuff like  
the ICOM 706, not make a show in the QRP world. Even if it's  
dialed back.

Mike

-----  
End of QRP-L Digest 2802

\*\*\*\*\*  
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